

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09F19/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G09F G06F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 199 37 037 A (APA ADELFGANG & PARBEL GMBH & C) 15 February 2001 (2001-02-15) abstract; figure 1 ---	1-16
X	WO 98 43231 A (THOMSEN ERIK BROGAARD ; LOGO PAINT (DK)) 1 October 1998 (1998-10-01) the whole document ---	1-16
A	EP 0 810 780 A (MARKET SP 94 S L) 3 December 1997 (1997-12-03) the whole document ---	1-16
A	EP 1 193 667 A (MARKET SP 94 S L) 3 April 2002 (2002-04-03) the whole document --- -/--	1-16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

1 December 2003

Date of mailing of the international search report

14.01.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

RUNE BENGTSSON/MN

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 631 619 A (CAMPBELL JOSEPH R) 4 January 1972 (1972-01-04) the whole document ---	1-16
A	WO 93 04559 A (RICHMAN JOSEPH MICHAEL) 4 March 1993 (1993-03-04) Cited in the application -----	1-16

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19937037	A	15-02-2001	DE 19937037 A1	15-02-2001
			DE 29915039 U1	02-12-1999
			GB 2353132 A ,B	14-02-2001
			NL 1015882 C2	06-02-2001
WO 9843231	A	01-10-1998	DK 9700140 U3	24-03-2000
			AT 203618 T	15-08-2001
			AU 741275 B2	29-11-2001
			AU 6612698 A	20-10-1998
			BR 9808426 A	23-05-2000
			DE 29823951 U1	04-05-2000
			DE 69801215 D1	30-08-2001
			DE 69801215 T2	16-05-2002
			WO 9843231 A1	01-10-1998
			DK 968495 T3	24-09-2001
			EP 0968495 A1	05-01-2000
			ES 2162421 T3	16-12-2001
			GR 3037013 T3	31-01-2002
			NO 994549 A	05-11-1999
			RU 2195713 C2	27-12-2002
			TR 9902339 T2	21-02-2000
			US 2003115784 A1	26-06-2003
EP 0810780	A	03-12-1997	ES 2114819 A1	01-06-1998
			BR 9603574 A	08-09-1998
			BR 9703340 A	17-11-1998
			EP 0810780 A1	03-12-1997
EP 1193667	A	03-04-2002	ES 2152182 A1	16-01-2001
			AU 2917900 A	02-11-2000
			EP 1193667 A1	03-04-2002
			CN 1348577 T	08-05-2002
			WO 0063868 A1	26-10-2000
US 3631619	A	04-01-1972	NONE	
WO 9304559	A	04-03-1993	ZA 9106712 A	27-05-1992
			AT 175832 T	15-01-1999
			AU 656609 B2	09-02-1995
			AU 2121692 A	25-02-1993
			CA 2116096 A1	04-03-1993
			DE 9219218 U1	03-08-2000
			DE 69228187 D1	25-02-1999
			DE 69228187 T2	29-07-1999
			DK 599920 T3	30-08-1999
			EP 0599920 A1	08-06-1994
			ES 2125904 T3	16-03-1999
			WO 9304559 A1	04-03-1993
			GR 3029921 T3	30-07-1999
			HK 1014622 A1	14-07-2000
			US 5933544 A	03-08-1999